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| L1    | 712  | 703/13.ccls.           | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | OFF     | 2005/06/15 11:29 |
| L2    | 0    | L1 and @ad<200112/18   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | OFF     | 2005/06/15 11:29 |
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| L11   | 8752 | virtual adj machine    | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR               | OFF     | 2005/06/15 14:14 |
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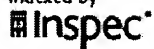
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Relevance scale ☐ ☐ ☐ ☐ ☐**21 [Disco: running commodity operating systems on scalable multiprocessors](#)**

Edouard Bugnion, Scott Devine, Mendel Rosenblum

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5Full text available: [pdf\(2.30 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**22 [Queue Focus: The Reincarnation of Virtual Machines](#)**

Mendel Rosenblum

July 2004 **Queue**, Volume 2 Issue 5Full text available: [pdf\(853.72 KB\)](#) [html](#)

(24.29 KB)

Additional Information: [full citation](#), [index terms](#)**23 [Cellular Disco: resource management using virtual clusters on shared-memory multiprocessors](#)**

Kinshuk Govil, Dan Teodosiu, Yongqiang Huang, Mendel Rosenblum

December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles**, Volume 33 Issue 5Full text available: [pdf\(1.93 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Despite the fact that large-scale shared-memory multiprocessors have been commercially available for several years, system software that fully utilizes all their features is still not available, mostly due to the complexity and cost of making the required changes to the operating system. A recently proposed approach, called Disco, substantially reduces this development cost by using a virtual machine monitor that leverages the existing operating system technology. In this paper we present a system ...

**24 [Virtualized reality: constructing time-varying virtual worlds from real world events](#)**

Peter Rander, P. J. Narayanan, Takeo Kanade

October 1997 **Proceedings of the 8th conference on Visualization '97**Full text available: [pdf\(1.23 MB\)](#) [Publisher Site](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** computer vision and scene understanding, dynamic scene analysis, modeling

Searching for **virtualization**.

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[The Physiology of the Grid: An Open Grid Services.. - Foster, Kesselman.. \(2002\) \(Correct\) \(166 citations\)](#)

10 4.1 Service Orientation and **Virtualization**

policy management, credential management, and **virtualization**. OGSA also defines interfaces for the 6 (and in [66]4.1 Service Orientation and **Virtualization** When describing VOs, we can focus on the [www.gridforum.org/ogsi-wg/drafts/ogsa\\_draft2.9\\_2002-06-22.pdf](http://www.gridforum.org/ogsi-wg/drafts/ogsa_draft2.9_2002-06-22.pdf)

[Compiling Array Expressions for Efficient Execution on.. - Gupta Kaushik Huang \(1996\) \(Correct\) \(75 citations\)](#)

arrays involved in an array statement. These **virtualization** schemes have different indexing overhead. We We present a strategy for identifying the **virtualization** scheme which will have the best performance. array on the virtual processors is used. These **virtualization** views permit us to use the closed forms for [ftp.cis.ohio-state.edu/pub/hpce/compiler/Papers/JPDC96-array.ps.gz](http://ftp.cis.ohio-state.edu/pub/hpce/compiler/Papers/JPDC96-array.ps.gz)

[An Integrated Experimental Environment for.. - White, Lepreau.. \(2002\) \(Correct\) \(65 citations\)](#)

realism, achieved through consistent use of **virtualization** and abstraction. By providing operating and increased fault-tolerance through resource **virtualization**. The savings afforded by automated mapping of Cluster Management: Through its **virtualization** of cluster hardware and software, Emulab [www.cs.utah.edu/flux/papers/netbed-osdi02.ps.gz](http://www.cs.utah.edu/flux/papers/netbed-osdi02.ps.gz)

[Disco: Running Commodity Operating Systems on.. - Bugnion, Devine.. \(1997\) \(Correct\) \(54 citations\)](#)

operating system, the basic overhead of **virtualization** ranges from 3% to 16% for all our virtual machines are the overheads due to the **virtualization** of the hardware resources, resource since the R10000 does not support the complete **virtualization** of the kernel virtual address space. Section [www-flash.stanford.edu/~bugnion/disco-tocs.ps](http://www-flash.stanford.edu/~bugnion/disco-tocs.ps)

[Scale and Performance in the Denali Isolation Kernel - Andrew Whitaker Marianne \(2002\) \(Correct\) \(48 citations\)](#)

of Denali, demonstrating that the overhead of **virtualization** is small, that our architectural choices are physical architectures were not designed with **virtualization** or scale in mind. In Denali, we have aspects of the isolation kernel. 3.2.1 CPU **Virtualization** Denali uses standard multiprogramming [denali.cs.washington.edu/pubs/distpubs/papers/denali\\_osdi.pdf](http://denali.cs.washington.edu/pubs/distpubs/papers/denali_osdi.pdf)

[Tapestry: A Resilient Global-scale Overlay for.. - Zhao, Huang.. \(2003\) \(Correct\) \(47 citations\)](#)

physical location. Properly implemented, this **virtualization** enables message delivery to mobile This work on stock operating systems. 2) Node **Virtualization**: To enable a wider variety of experiments, we exclusive, nonshared data. A side effect of **virtualization** is the delay introduced by CPU scheduling [oceanstore.cs.berkeley.edu/publications/papers/compressed/tapestry\\_jsac.ps.gz](http://oceanstore.cs.berkeley.edu/publications/papers/compressed/tapestry_jsac.ps.gz)

[PipeRench: A Coprocessor for Streaming Multimedia.. - Goldstein, Schmit.. \(1999\) \(Correct\) \(45 citations\)](#)

as the FPGA. Due to its support for hardware **virtualization**, as described in Section 3, PipeRench never present in the fabric at one time. The **virtualization** process is illustrated in Figure 5, which ahead of that data. Even if there is no **virtualization**, configuration time is equivalent to the [www.cs.cmu.edu/~mihaib/research/isca99.ps.gz](http://www.cs.cmu.edu/~mihaib/research/isca99.ps.gz)

[An Implementation and Analysis of the Virtual Interface.. - Philip Buonadonna Soda \(1998\) \(Correct\) \(41 citations\)](#)

operating system, so correct protection and **virtualization** is maintained while the operating system into the other. This model maintains correct **virtualization** and multiplexing, as the operating system is VIA compliant NIC to perform reasonably well. **Virtualization** Effects. The ability to virtualize network [gppd.inf.ufrgs.br/~barreto/papers/library/culler-VIA.ps.gz](http://gppd.inf.ufrgs.br/~barreto/papers/library/culler-VIA.ps.gz)

[A Survey of Programmable Networks - Campbell \(1999\) \(Correct\) \(40 citations\)](#)

programmable network interfaces; accelerated **virtualization** of networking infrastructure, rapid creation abstractions, which indicate the level of **virtualization** and programmability of networking Abstracting the network infrastructure through **virtualization** and making it programmable is a major [comet.columbia.edu/mobiware/papers/survey\\_ccr.ps.gz](http://comet.columbia.edu/mobiware/papers/survey_ccr.ps.gz)